

E3PA HT Series

AC EMP PANEL SURGE PROTECTION

HEMP TESTED



The E3PA HT Series provides versatile AC EMP protection for 120 Vac applications requiring either a cabinet or component protection format.

Tested to MIL-STD-188-125 Early Time (E1) and Intermediate Time (E2) HEMP environments the E3PA HT series ensures rugged EMP protection for a variety of commercial, industrial and telecommunication applications.

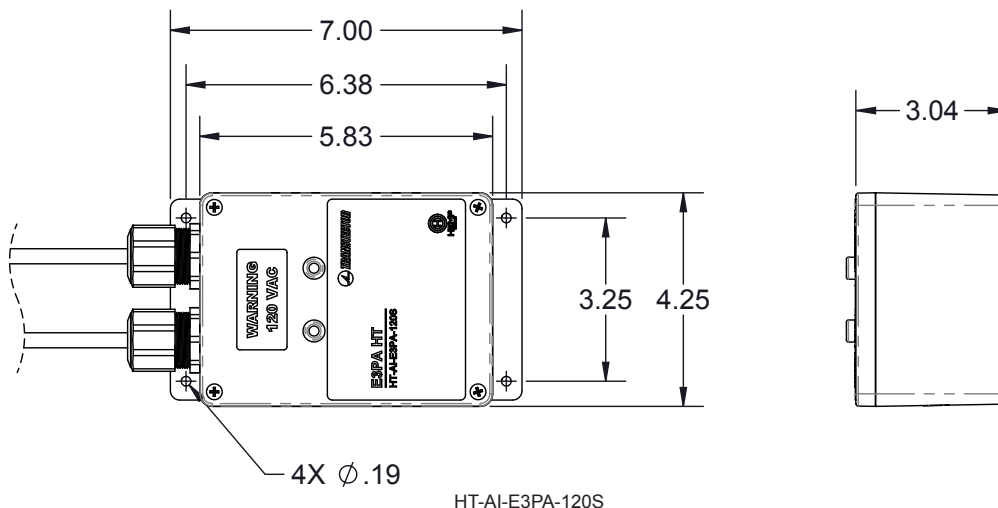


FEATURES

- Robust coordinated Silicon as well as hybrid technology design
- Durable metal indoor enclosure design
- Reliable EMP protection against nominal and grid switching transients
- HEMP Tested per MIL-STD-188-125

As providers of electronic application-specific components and subsystems, Transtector's innovative solutions enable ultimate systems performance in the harshest environments. Since 2002 Transtector has been a partner with Military contractors in the design, manufacture and testing of specialized electronic and radio frequency products designed to prepare and protect critical systems from HEMP events.

DRAWINGS



SPECIFICATIONS

Part Number	HT-AI-E3PA-120S	HT-AI-E3PA-120Y
Device	Panel Mount	Cabinet
Application	120 Vac	120 Vac
Technology	Silicon (SASD)	Silicon (SASD)+ MOV
Service Voltage	120 Vac	120/208 Vac
Frequency Rating	50 to 60 Hz	50 to 60 Hz
MCOV	150 Vac	150 Vac
Phase	Single Phase	3 Phase Wye
Voltage Protection Level	<620 V @ 35 kA (8/20µs)	<620 V @ 35 kA (8/20µs)
Max Discharge Current (Imax)	50 kA	50 kA
Fault Current Rating	NA	42 kAIC per NEC 285.6
Nominal Discharge Current	35 kA (8/20µs)	35 kA (8/20µs)
Protection Modes	L-N or L-G	L-L, L-N, L-G
Early Time HEMP (E1)	5 kA 20/500ns per MIL-STD-188-125	5 kA 20/500ns per MIL-STD-188-125
Intermediate Time HEMP (E2)	250 A 1.5/3-5000µs per MIL-STD-188-125	NA
Fault Current Rating	NA	42 kAIC per NEC 285.6
Enclosure Type	Aluminum	Steel
Operating Temperature	-40°C to +85°C	-40°C to +85°C
Humidity	95% non-condensing	95% non-condensing
Dimensions (inches)	7x 4.25 x 3.04	36 x 30 x 11.29
Weight	4 lb.	160 lb.
HEMP Tested	E3 and E2 Per MIL-STD-188-125	E1 Per MIL-STD-188-125
EMP Protection Level	1, 2, 3	1, 2, 3



HEMP Tested products by Transector are now available for civil infrastructure applications including utilities, transportation, telecommunications, and first responders. Tested to stringent Military Standard 188-125 these products are engineered to provide EMP protection for equipment and facilities per Department of Homeland Security guidelines, and have been tested for survivability to the peak threat levels of the harsh Early Time (E1) and Intermediate Time (E2) High-Altitude (HEMP) environments. For additional information on custom EMP/HEMP solutions or to discuss commercial applications for HEMP Tested products contact Transector at 1 208 635 6400.